BRUHATH BANGALORE MAHANAGARA PALIKE
YELAHANKA DIVISION

MEASUREMENT SHEETS

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1ST and Final bill for the work of Drilling of borewells and providing pump, motor and Electrification works to 110 village areas in ward no -01 and 03 of yelahanka division.

ESTIMATE COST: RS.80.00 Lakhs

JOB NUMBER: 001-24-000013

Name of Agency: Sri Shadayan (sadian)

M/s Ganesh Engineering works

Asst. Executive Engineer,
Yelahanka sub division,
BBMP, BANGALORE-64

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewells and Providing Pump, Motor and Electrification Works to 110 Village Areas in Ward No-01 and Ward No-03 of Yelahanka Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	1							

Item Name: Geophysical investigation at site for sinking borewells for Providing drinking water to the habitation either through the Hand Pump MWS or P.W.S.S, by vertical electrical sounding by adopting Venner or Schlumbergers's method, including reconnaissance survey of geological formation. Geophysical investigation of existing ground water in the vicinity, its quality, quantity and acceptability of the users, indicating the location of the site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instruments and accessories to work site, engaging technical personal and labour required etc. NOTE: 1) Additional rate on item 1&2 is allowed for drilling in over burden and fixing Casing pipes beyond 20 M (for fixing Casing pipes only) a) Above 20 M and upto 30 M - 15%, b) Above 30 M - 30% (Measurement of overburden is restricted to the depth of casing pipe fixed excluding initial depth of 20M and projection above ground level). 2) A sum of Rs. 100/- is to be deducted for Dry Borewell towards yield test. etc. complete as per the Directions of Egineer In-Charge.

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			18/03/24		20/03/2024		
For New Borewells							
Nagenahalli at Over Head Tank		1				1.00	
5th Cross Road, Akash Vihar Layout		1				1.00	
2nd Main Road, ISRO Layout		1				1.00	

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Executive Engineer

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Mariyamma Temple (Gudda), Srinivasapura		1				1.00	
6th A Cross Road, Kenchenahalli, Railway Parallel Road		1				1.00	
Srinivasapura at Park (Lake Boundary)		1				1.00	
2nd Cross Road Jyothinagara, Near Sambram Collage		1				1.00	
	Total Quantity					7.00	Each
	Quantity Carried to Summary					7.00	Each

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewells and Providing Pump, Motor and Electrification Works to 110 Village Areas in Ward No-01 and Ward No-03 of Yelahanka Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	2							
Item Name:	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete) (Above 450m of drilling add 10% for every 50m depth) as per the Directions of Egineer In-Charge.a) 0.00 to 50.00 mtrs as per the Directions of Egineer In-Charge.							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			30/03/24, 05/04/24, 30/03/24, 29/03/2024, 04/04/24, 06/04/24.				
For New Borewells							
	Nagenahalli at Over Head Tank	1	50.00			50.00	
	5th Cross Road, Akash Vihar Layout	1	50.00			50.00	
	2nd Main Road, ISRO Layout	1	50.00			50.00	
	Mariyamma Temple (Gudda), Srinivasapura	1	50.00			50.00	
	6th A Cross Road, Kenchenahalli, Railway Parallel Road	1	50.00			50.00	
	Srinivasapura at Park (Lake Boundary)	1	50.00			50.00	

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka. Bangalore

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka. Bangalore

Assistant Executive Engineer

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
	nd Cross Road Jyothinagara, Near Sambram Collage	1	50.00			50.00	
	Total Quantity					350.00	mtr
	Quantity Carried to Summary					350.00	mtr

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Engineer

Assistant Executive Engineer

(5)

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewells and Providing Pump, Motor and Electrification Works to 110 Village Areas in Ward No-01 and Ward No-03 of Yelahanka Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	3							
Item Name:	b) 50.00 to 100.00 mtrs as per the Directions of Egineer In-Charge. Date of Drilling : 31|3|24, 30|3|24, 17|3|24, 29|3|24, 4|5|24, 5|4|24							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:							
For New Borewells							
	Nagenahalli at Over Head Tank	1	50.00			50.00	
	5th Cross Road, Akash Vihar Layout	1	50.00			50.00	
	2nd Main Road, ISRO Layout	1	50.00			50.00	
	Mariyamma Temple (Gudda), Srinivasapura	1	50.00			50.00	
	6th A Cross Road, Kenchenahalli, Railway Parallel Road	1	50.00			50.00	
	Srinivasapura at Park (Lake Boundary)	1	50.00			50.00	
	2nd Cross Road Jyothinagara, Near Sambram Collage	1	50.00			50.00	
	Total Quantity					**350.00**	**mtr**
	Quantity Carried to Summary					**350.00**	**mtr**

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewells and Providing Pump, Motor and Electrification Works to 110 Village Areas in Ward No-01 and Ward No-03 of Yelahanka Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	4							
Item Name:	c) 100.00 to 150.00 mtrs as per the Directions of Egineer In-Charge. Date of Drlling: 17/3/24, 29/3/24, 30/3/24, 31/3/24, 4/5/24, 5/4/24							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:							
For New Borewells							
	Nagenahalli at Over Head Tank	1	50.00			50.00	
	5th Cross Road, Akash Vihar Layout	1	50.00			50.00	
	2nd Main Road, ISRO Layout	1	50.00			50.00	
	Mariyamma Tempie (Gudda), Srinivasapura	1	50.00			50.00	
	6th A Cross Road, Kenchenahalli, Railway Parallel Road	1	50.00			50.00	
	Srinivasapura at Park (Lake Boundary)	1	50.00			50.00	
	2nd Cross Road Jyothinagara, Near Sambram Collage	1	50.00			50.00	
	Total Quantity					**350.00**	**mtr**
	Quantity Carried to Summary					**350.00**	**mtr**

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka. Bangalore

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka. Bangalore

Assistant Executive Engineer

(7)

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewells and Providing Pump, Motor and Electrification Works to 110 Village Areas in Ward No-01 and Ward No-03 of Yelahanka Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	5							
Item Name:	Date of Drilling- d) 150.00 to 200.00 mtrs as per the Directions of Egineer In-Charge. 17/3/24, 29/3/24, 30/3/24, 31/3/24, 4/5/24, 5/4/24							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			[illegible]				
For New Borewells							
	Nagenahalli at Over Head Tank	1	50.00			50.00	
	5th Cross Road, Akash Vihar Layout	1	50.00			50.00	
	2nd Main Road, ISRO Layout	1	50.00			50.00	
	Mariyamma Temple (Gudda), Srinivasapura	1	50.00			50.00	
	6th A Cross Road, Kenchenahalli, Railway Parallel Road	1	50.00			50.00	
	Srinivasapura at Park (Lake Boundary)	1	50.00			50.00	
	2nd Cross Road Jyothinagara, Near Sambram Collage	1	50.00			50.00	
	Total Quantity					**350.00**	**mtr**
	Quantity Carried to Summary					**350.00**	**mtr**

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewells and Providing Pump, Motor and Electrification Works to 110 Village Areas in Ward No-01 and Ward No-03 of Yelahanka Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	6							
Item Name:	e) 200.00 to 250.00 mtrs as per the Directions of Egineer In-Charge. Date of Drilling 17/3/24, 29/3/24, 30/3/24, 31/3/24, 4/5/24, 5/4/24							
SL NO	**CHAINAGE**	**NO**	**L (m)**	**Avg B (m)**	**Avg D (m)**	**QTY**	**REMARKS**	
Pre-Measurement Recorded On:								
For New Borewells								
	Nagenahalli at Over Head Tank	1	50.00			50.00		
	5th Cross Road, Akash Vihar Layout	1	50.00			50.00		
	2nd Main Road, ISRO Layout	1	50.00			50.00		
	Mariyamma Temple (Gudda), Srinivasapura	1	50.00			50.00		
	6th A Cross Road, Kenchenahalli, Railway Parallel Road	1	50.00			50.00		
	Srinivasapura at Park (Lake Boundary)	1	50.00			50.00		
	2nd Cross Road Jyothinagara, Near Sambram Collage	1	50.00			50.00		
	Total Quantity					**350.00**	**mtr**	
	Quantity Carried to Summary					**350.00**	**mtr**	

Ramajan jeerad
Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Ramajan jeerad
Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewells and Providing Pump, Motor and Electrification Works to 110 Village Areas in Ward No-01 and Ward No-03 of Yelahanka Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No. 7

Item Name: f) 250.00 to 300.00 mtrs as per the Directions of Egineer In-Charge.

Date of Drilling: 17/3/24, 29/3/24, 30/3/24, 31/3/24, 4/5/24, 5/4/24

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:							
For New Borewells							
	Nagenahalli at Over Head Tank	1	50.00			50.00	
	5th Cross Road, Akash Vihar Layout	1	50.00			50.00	
	2nd Main Road, ISRO Layout	1	50.00			50.00	
	Mariyamma Temple (Gudda), Srinivasapura	1	50.00			50.00	
	6th A Cross Road, Kenchenahalli, Railway Parallel Road	1	50.00			50.00	
	Srinivasapura at Park (Lake Boundary)	1	50.00			50.00	
	2nd Cross Road Jyothinagara, Near Sambram Collage	1	50.00			50.00	
	Total Quantity					**350.00**	**mtr**
	Quantity Carried to Summary					**350.00**	**mtr**

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewells and Providing Pump, Motor and Electrification Works to 110 Village Areas in Ward No-01 and Ward No-03 of Yelahanka Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	8							
Item Name:	g)300.00 to 350.00 mtrs as per the Directions of Egineer In-Charge. Date of Drilling: 29|3|24, 17|3|24 30|3|24, 31|3|24 1|5|24, 5|4|24							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:							
For New Borewells							
	Nagenahalli at Over Head Tank	1	46.00			46.00	
	5th Cross Road, Akash Vihar Layout	1	45.00			45.00	
	2nd Main Road, ISRO Layout	1	49.00			49.00	
	Mariyamma Temple (Gudda), Srinivasapura	1	49.00			49.00	
	6th A Cross Road, Kenchenahalli, Railway Parallel Road	1	45.00			45.00	
	Srinivasapura at Park (Lake Boundary)	1	50.00			50.00	
	2nd Cross Road Jyothinagara, Near Sambram Collage	1	45.00			45.00	
	Total Quantity					**329.00**	**mtr**
	Quantity Carried to Summary					**329.00**	**mtr**

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewells and Providing Pump, Motor and Electrification Works to 110 Village Areas in Ward No-01 and Ward No-03 of Yelahanka Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	9							
Item Name:	Supply of ISI mark 175mm nominal bore,plain and, steel casing pipe grade of steel Fe 410 of wall thickness conforming to IS 4270-2001 and latest ammendments, electrical resistance welded steel tubes, material and conforming to IS 1387-1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5-7m both ends.threaded conforming to IS 554-1985 one end fixed with socket conforming to IS 4270-2001 and the other end with screwed pipes all shall be responsibaly free from defects. The tubes shall be responsible straight end should be with ISI marking weighing 25.10kg/m.prices include Collar-Medium duty as per the Directions of Egineer In-							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			17/3/24, 29/3/24, 30/3/24, 31/3/24 4/5/24 5/4/24.				
For New Borewells							
Nagenahalli at Over Head Tank		1	60.00			60.00	
5th Cross Road, Akash Vihar Layout		1	45.00			45.00	
2nd Main Road, ISRO Layout		1	47.00			47.00	
Mariyamma Temple (Gudda), Srinivasapura		1	49.00			49.00	
6th A Cross Road, Kenchenahalli, Railway Parallel Road		1	48.00			48.00	
Srinivasapura at Park (Lake Boundary)		1	55.00			55.00	
2nd Cross Road Jyothinagara, Near Sambram Collage		1	45.00			45.00	
	Total Quantity					**349.00**	**mtr**
	Quantity Carried to Summary					**349.00**	**mtr**

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka. Bangalore

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka. Bangalore

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewells and Providing Pump, Motor and Electrification Works to 110 Village Areas in Ward No-01 and Ward No-03 of Yelahanka Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	10							
Item Name:	PVC Pipes of 10 kg/cm2 for 200mm 17/3/24, 29/03/24, 30/3/24 31/3/24, 5/4/24 4/5/24							
SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS	
Measurement Recorded On:								
For New Borewells								
Nagenahalli at Over Head Tank		1	12.00			12.00		
5th Cross Road, Akash Vihar Layout		1	12.00			12.00		
2nd Main Road, ISRO Layout		1	10.00			10.00		
Mariyamma Temple (Gudda), Srinivasapura		1	9.00			9.00		
6th A Cross Road, Kenchenahalli, Railway Parallel Road		1	10.00			10.00		
Srinivasapura at Park (Lake Boundary)		1	7.50			7.50		
2nd Cross Road Jyothinagara, Near Sambram Collage		1	8.00			8.00		
	Total Quantity					**68.50**	**mtr.**	
	Quantity Carried to Summary					**68.50**	**mtr.**	

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewells and Providing Pump, Motor and Electrification Works to 110 Village Areas in Ward No-01 and Ward No-03 of Yelahanka Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	11							
Item Name:	Providing and laying at site of work MS casing caps as per IS 239 (part-II) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and colars shall be strictly as per IS 1239 (Part-II) 1982 with all amendments including cost of material and labour charges for fixing, if any etc. complete with all lead and lifts and as directed by the Engineer in charge							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
For New Borewells							
	Nagenahalli at Over Head Tank	1				1.00	
	5th Cross Road, Akash Vihar Layout	1				1.00	
	2nd Main Road, ISRO Layout	1				1.00	
	Mariyamma Temple (Gudda), Srinivasapura	1				1.00	
	6th A Cross Road, Kenchenahalli, Railway Parallel Road	1				1.00	
	Srinivasapura at Park (Lake Boundary)	1				1.00	
	2nd Cross Road Jyothinagara, Near Sambram Collage	1				1.00	
	Total Quantity					7.00	Each
	Quantity Carried to Summary					7.00	Each

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewells and Providing Pump, Motor and Electrification Works to 110 Village Areas in Ward No-01 and Ward No-03 of Yelahanka Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	12							
Item Name:	Providing Submersible Pump Set of 150mm dia suitable for bore well and confirming to IS 8034-2000;3Phase, SS Bowl & Impeller with Low volt Motor as per specifications, to work site as per necessary ammendments and instructions of engineer incharge of work. For 15.0 HP - 120 LPM @ 266 m = 23 STG Outlet Dia - 2.00" as per the Directions of Egineer In-Charge.							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			16/4/24	28/4/24	4/06/24	24/5/24	25/5/24
For New Borewells							
	Nagenahalli at Over Head Tank	1				1.00	
	5th Cross Road, Akash Vihar Layout	1				1.00	
	2nd Main Road, ISRO Layout	1				1.00	
	Mariyamma Temple (Gudda), Srinivasapura	1				1.00	
	6th A Cross Road, Kenchenahalli, Railway Parallel Road	1				1.00	
	Srinivasapura at Park (Lake Boundary)	1				1.00	
	2nd Cross Road Jyothinagara, Near Sambram Collage	1				1.00	
	Total Quantity					7.00	Each
	Quantity Carried to Summary					7.00	Each

15/4/24

Executive Engineer
Yelahanka Division,
B.B.M.P, Bangalore-64

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewells and Providing Pump, Motor and Electrification Works to 110 Village Areas in Ward No-01 and Ward No-03 of Yelahanka Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No. 13

Item Name: Supply and delivery of galvanized mild steel tubes of 6mtr standard length heavy duty (C Class) as per IS 1239 (Part-I) 1990 with latest amendments with ISI Mark (one end fitted with Heavy Duty collar and other end fitted with protective cover) 50mm

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			16/4/24, 28/4/24, 4/06/24 24/5/24 25/5/24 15/04/24				
For New Borewells							
Nagenahalli at Over Head Tank		1	47.00			47.00	
5th Cross Road, Akash Vihar Layout		1	45.00			45.00	
2nd Main Road, ISRO Layout		1	45.00			45.00	
Mariyamma Temple (Gudda), Srinivasapura		1	46.00			46.00	
6th A Cross Road, Kenchenahalli, Railway Parallel Road		1	48.00			48.00	
Srinivasapura at Park (Lake Boundary)		1	58.00			58.00	
2nd Cross Road Jyothinagara, Near Sambram Collage		1	58.00			58.00	
	Total Quantity					347.00	Each
	Quantity Carried to Summary					347.00	Each

Executive Engineer, Yelahanka Division, B.B.M.P. Bangalore-64

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewells and Providing Pump, Motor and Electrification Works to 110 Village Areas in Ward No-01 and Ward No-03 of Yelahanka Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No. 14

Item Name: Supply and delivery at site wrought middle steel (galvanized) GI union confirming to IS 1239-II, 1991 with latest amendments if any. For 50 mm dia GI Union as per the Directions of Egineer In-Charge.

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
For New Borewells							
	Nagenahalli at Over Head Tank	1				1.00	
	5th Cross Road, Akash Vihar Layout	1				1.00	
	2nd Main Road, ISRO Layout	1				1.00	
	Mariyamma Temple (Gudda), Srinivasapura	1				1.00	
	6th A Cross Road, Kenchenahalli, Railway Parallel Road	1				1.00	
	Srinivasapura at Park (Lake Boundary)	1				1.00	
	2nd Cross Road Jyothinagara, Near Sambram Collage	1				1.00	
	Total Quantity					7.00	Each
	Quantity Carried to Summary					7.00	Each

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewells and Providing Pump, Motor and Electrification Works to 110 Village Areas in Ward No-01 and Ward No-03 of Yelahanka Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No. 15

Item Name: Providing wrought mild steel (galvanized) GI collar confirming to IS 1239-II, 1991 with latest amendments if any. For 50 mm dia GI collar:

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
For New Borewells							
	Nagenahalli at Over Head Tank	47				47.00	
	5th Cross Road, Akash Vihar Layout	45				45.00	
	2nd Main Road, ISRO Layout	45				45.00	
	Mariyamma Temple (Gudda), Srinivasapura	46				46.00	
	6th A Cross Road, Kenchenahalli, Railway Parallel Road	48				48.00	
	Srinivasapura at Park (Lake Boundary)	58				58.00	
	2nd Cross Road Jyothinagara, Near Sambram Collage	58				58.00	
	Total Quantity					**347.00**	**Each**
	Quantity Carried to Summary					**347.00**	**Each**

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewells and Providing Pump, Motor and Electrification Works to 110 Village Areas in Ward No-01 and Ward No-03 of Yelahanka Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	16							
Item Name:	Supply and delivery at site wrought middle steel (galvanized) GI hexagonal nipple confirming to IS 1239-II, 1991 with latest amendments if any. For 50 mm dia GI hexagonal nipple							
SL NO	**CHAINAGE**	**NO**	**L (m)**	**Avg B (m)**	**Avg D (m)**	**QTY**	**REMARKS**	
Measurement Recorded On:								
For New Borewells								
	Nagenahalli at Over Head Tank	3				3.00		
	5th Cross Road, Akash Vihar Layout	3				3.00		
	2nd Main Road, ISRO Layout	3				3.00		
	Mariyamma Temple (Gudda), Srinivasapura	3				3.00		
	6th A Cross Road, Kenchenahalli, Railway Parallel Road	3				3.00		
	Srinivasapura at Park (Lake Boundary)	3				3.00		
	2nd Cross Road Jyothinagara, Near Sambram Collage	3				3.00		
	Total Quantity					**21.00**	**Each**	
	Quantity Carried to Summary					**21.00**	**Each**	

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewells and Providing Pump, Motor and Electrification Works to 110 Village Areas in Ward No-01 and Ward No-03 of Yelahanka Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	17							
Item Name:	Supply and delivery at site wrought middle steel (galvanized) GI elbow confirming to IS 1239-II, 1991 with latest amendments if any for: For 50 mm dia GI elbow							
SL NO	**CHAINAGE**	**NO**	**L (m)**	**Avg B (m)**	**Avg D (m)**	**QTY**	**REMARKS**	
Measurement Recorded On:								
For New Borewells								
	Nagenahalli at Over Head Tank	3				3.00		
	5th Cross Road, Akash Vihar Layout	3				3.00		
	2nd Main Road, ISRO Layout	3				3.00		
	Mariyamma Temple (Gudda), Srinivasapura	3				3.00		
	6th A Cross Road, Kenchenahalli, Railway Parallel Road	3				3.00		
	Srinivasapura at Park (Lake Boundary)	3				3.00		
	2nd Cross Road Jyothinagara, Near Sambram Collage	3				3.00		
	Total Quantity					**21.00**	**Each**	
	Quantity Carried to Summary					**21.00**	**Each**	

Asst. Executive Engineer
Yelahanka Sub Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Executive Engineer

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BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewells and Providing Pump, Motor and Electrification Works to 110 Village Areas in Ward No-01 and Ward No-03 of Yelahanka Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	18						
Item Name:	Supplying and Drawing 3 Core Flat PVC Shelted Submerisible Pump Cable Manufactured With Electrolytic grade copper with flexible copper conductor confirming to table 3 class 5of IS 8130-1984 and Virgin PVC insulation and Sheeated Suitable for working Voltage Upto 1100 Volts as per IS-694:1990. 3C x 6.0Sqm as per the Directions of Egineer In-Charge.						

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			16/4/24, 28/4/24			4/06/24	24/5/24 25/5/24 15/04/24
For New Borewells							
	Nagenahalli at Over Head Tank	2	257.00			514.00	
	5th Cross Road, Akash Vihar Layout	2	275.00			550.00	
	2nd Main Road, ISRO Layout	2	275.00			550.00	
	Mariyamma Temple (Gudda), Srinivasapura	2	281.00			562.00	
	6th A Cross Road, Kenchenahalli, Railway Parallel Road	2	293.00			586.00	
	Srinivasapura at Park (Lake Boundary)	2	361.00			722.00	
	2nd Cross Road Jyothinagara, Near Sambram Collage	2	358.00			716.00	
	Total Quantity					**4200.00**	**Rmtr**
	Quanity Limit to					**4200.00**	**Rmtr**
	Quantity Carried to Summary					**4200.00**	**Rmtr**

Ranganjeenal
Asst. Executive Engineer
Yelahanka Sub. Divison
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Yelahanka, Bangalore

Assistant Engineer

Ranganjeenal
Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Executive Engineer

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BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewells and Providing Pump, Motor and Electrification Works to 110 Village Areas in Ward No-01 and Ward No-03 of Yelahanka Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	19							
Item Name:	Labour charges for Erection, Electrification and commissioning of Pump sets, including aligning and balancing of all items including supply and erection of two pair of supporting clamps, bore well caps, cable clips and water tight gland cable protectors, bolts, nuts, valve and gauges,tools and equipments etc., involved in the job as per specifications, with necessary tests as per specifications, with testing of as per instructions of engineer incharge of work as per the Directions of Egineer In-Charge.							
SL NO	**CHAINAGE**	**NO**	**L (m)**	**Avg B (m)**	**Avg D (m)**	**QTY**	**REMARKS**	
Measurement Recorded On:								
For New Borewells								
	Nagenahalli at Over Head Tank	1				1.00		
	5th Cross Road, Akash Vihar Layout	1				1.00		
	2nd Main Road, ISRO Layout	1				1.00		
	Mariyamma Temple (Gudda), Srinivasapura	1				1.00		
	6th A Cross Road, Kenchenahalli, Railway Parallel Road	1				1.00		
	Srinivasapura at Park (Lake Boundary)	1				1.00		
	2nd Cross Road Jyothinagara, Near Sambram Collage	1				1.00		
	Total Quantity					7.00	**Each**	

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Engineer

Asst. Executive Engineer
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(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewells and Providing Pump, Motor and Electrification Works to 110 Village Areas in Ward No-01 and Ward No-03 of Yelahanka Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	20							
Item Name:	Labour charges for erection of outdoor type panel board and meter board units with all necessary materials and labour, tools and equipments including providing cement concrete foundation bed etc., complete as per specification, with testing of as per instructions of engineer incharge of work as per the Directions of Egineer In-Charge.							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
For New Borewells							
	Nagenahalli at Over Head Tank	1				1.00	
	5th Cross Road, Akash Vihar Layout	1				1.00	
	2nd Main Road, ISRO Layout	1				1.00	
	Mariyamma Temple (Gudda), Srinivasapura	1				1.00	
	6th A Cross Road, Kenchenahalli, Railway Parallel Road	1				1.00	
	Srinivasapura at Park (Lake Boundary)	1				1.00	
	2nd Cross Road Jyothinagara, Near Sambram Collage	1				1.00	
	Total Quantity					7.00	Each
	Quantity Carried to Summary					7.00	Each

Asst. Executive Engineer
Yelahanka Sub. Divison
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Yelahanka, Bangalore

Assistant Engineer

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(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewells and Providing Pump, Motor and Electrification Works to 110 Village Areas in Ward No-01 and Ward No-03 of Yelahanka Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	21							
Item Name:	1.1 kV, XLPE or Heat resistant PVC insulated, PVC exutruted Inner Seath Armoured LTUG Cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness and resistivity as per IS-3975 16 Sqmm, 4 Core, (11 GI Strips - 4 x 0.8 mm)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
For New Borewells							
	Nagenahalli at Over Head Tank	1	0.045			0.05	
	5th Cross Road, Akash Vihar Layout	1	0.040			0.04	
	2nd Main Road, ISRO Layout	1	0.040			0.04	
	Mariyamma Temple (Gudda), Srinivasapura	1	0.050			0.05	
	6th A Cross Road, Kenchenahalli, Railway Parallel Road	1	0.045			0.05	
	Srinivasapura at Park (Lake Boundary)	1	0.050			0.05	
	2nd Cross Road Jyothinagara, Near Sambram Collage	1	0.045			0.05	
	Total Quantity					**0.32**	**Km**
	Quantity Carried to Summary					**0.32**	**Km**

Asst. Executive Engineer
Yelahanka Sub. Divison
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Yelahanka, Bangalore

Assistant Engineer

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Yelahanka, Bangalore

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewells and Providing Pump, Motor and Electrification Works to 110 Village Areas in Ward No-01 and Ward No-03 of Yelahanka Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	22							
Item Name:	LABOUR for Aerial Bunched Conductor & Accessories Stringing of 1.1 kV grade Aerial Bunched 3 Core cable of XLPE insulation of size (3x95) (Phase Conductor) + (1x70) (Insulated Messenger Neutral) + (1x16) (Street Light Control)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
For New Borewells							
	Nagenahalli at Over Head Tank	1	0.05			0.05	
	5th Cross Road, Akash Vihar Layout	1	0.04			0.04	
	2nd Main Road, ISRO Layout	1	0.04			0.04	
	Mariyamma Temple (Gudda), Srinivasapura	1	0.05			0.05	
	6th A Cross Road, Kenchenahalli, Railway Parallel Road	1	0.05			0.05	
	Srinivasapura at Park (Lake Boundary)	1	0.05			0.05	
	2nd Cross Road Jyothinagara, Near Sambram Collage	1	0.05			0.05	
	Total Quantity					**0.32**	**Km**
	Quantity Carried to Summary					**0.32**	**Km**

Asst. Executive Engineer
Yelahanka Sub. Divison
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Yelahanka, Bangalore

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bano

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewells and Providing Pump, Motor and Electrification Works to 110 Village Areas in Ward No-01 and Ward No-03 of Yelahanka Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	23							
Item Name:	Earthing: Suppluing and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts,nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia as per the Directions of Egineer In-Charge.							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
For New Borewells							
	Nagenahalli at Over Head Tank	1				1.00	
	5th Cross Road, Akash Vihar Layout	1				1.00	
	2nd Main Road, ISRO Layout	1				1.00	
	Mariyamma Temple (Gudda), Srinivasapura	1				1.00	
	6th A Cross Road, Kenchenahalli, Railway Parallel Road	1				1.00	
	Srinivasapura at Park (Lake Boundary)	1				1.00	
	2nd Cross Road Jyothinagara, Near Sambram Collage	1				1.00	
	Total Quantity					7.00	Job
	Quantity Carried to Summary					7.00	Job

Ranajanjeenail
Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Engineer

Ranajanjeenail
Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewells and Providing Pump, Motor and Electrification Works to 110 Village Areas in Ward No-01 and Ward No-03 of Yelahanka Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	24							
Item Name:	Providing and fixing suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps,bolts,nuts and washers etc. with necessary materials and labour tools and equipments as per instructions of engineer incharge of work. 3½x6 Sqm							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
For New Borewells							
	Nagenahalli at Over Head Tank	1				1.00	
	5th Cross Road, Akash Vihar Layout	1				1.00	
	2nd Main Road, ISRO Layout	1				1.00	
	Mariyamma Temple (Gudda), Srinivasapura	1				1.00	
	6th A Cross Road, Kenchenahalli, Railway Parallel Road	1				1.00	
	Srinivasapura at Park (Lake Boundary)	1				1.00	
	2nd Cross Road Jyothinagara, Near Sambram Collage	1				1.00	
	Total Quantity					7.00	Each
	Quantity Carried to Summary					7.00	Each

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore
Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewells and Providing Pump, Motor and Electrification Works to 110 Village Areas in Ward No-01 and Ward No-03 of Yelahanka Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	25							
Item Name:	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws. F) 20" x 20" x 2.5" as per the Directions of Egineer In-Charge.							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			10/06/2				
For New Borewells							
	Nagenahalli at Over Head Tank	1				1.00	
	5th Cross Road, Akash Vihar Layout	1				1.00	
	2nd Main Road, ISRO Layout	1				1.00	
	Mariyamma Temple (Gudda), Srinivasapura	1				1.00	
	6th A Cross Road, Kenchenahalli, Railway Parallel Road	1				1.00	
	Srinivasapura at Park (Lake Boundary)	1				1.00	
	2nd Cross Road Jyothinagara, Near Sambram Collage	1				1.00	
	Total Quantity					7.00	Nos
	Quantity Carried to Summary					7.00	Nos

Asst. Executive Engineer
Yelahanka Sub. Divison
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Yelahanka, Bangalore

Assistant Engineer

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Yelahanka, Bangalore

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewells and Providing Pump, Motor and Electrification Works to 110 Village Areas in Ward No-01 and Ward No-03 of Yelahanka Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No. 26

Item Name: Supplying Fully Automatic Star- Delta Starter Unit Push Button Type With Suitable Wires 3 Contractors, One Adjustable Thermal Timer Mounted on a Common Base Plate held in Steel Enclosure For Use on 400/440 Volts 3 Phase and Wired after Fixing to the Exisiting Wooden Board For Motor, Above 12.5 HP upto 25 HP as per the Directions of Egineer In-Charge.

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			10/06/				
For New Borewells							
	Nagenahalli at Over Head Tank	1				1.00	
	5th Cross Road, Akash Vihar Layout	1				1.00	
	2nd Main Road, ISRO Layout	1				1.00	
	Mariyamma Temple (Gudda), Srinivasapura	1				1.00	
	6th A Cross Road, Kenchenahalli, Railway Parallel Road	1				1.00	
	Srinivasapura at Park (Lake Boundary)	1				1.00	
	2nd Cross Road Jyothinagara, Near Sambram Collage	1				1.00	
	Total Quantity					7.00	Each
	Quantity Carried to Summary					7.00	Each

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Engineer

Asst. Executive Engineer
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(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewells and Providing Pump, Motor and Electrification Works to 110 Village Areas in Ward No-01 and Ward No-03 of Yelahanka Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	27							
Item Name:	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50 mm							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
For New Borewells							
	Nagenahalli at Over Head Tank	1				1.00	
	5th Cross Road, Akash Vihar Layout	1				1.00	
	2nd Main Road, ISRO Layout	1				1.00	
	Mariyamma Temple (Gudda), Srinivasapura	1				1.00	
	6th A Cross Road, Kenchenahalli, Railway Parallel Road	1				1.00	
	Srinivasapura at Park (Lake Boundary)	1				1.00	
	2nd Cross Road Jyothinagara, Near Sambram Collage	1				1.00	
	Total Quantity					7.00	Each
	Quantity Carried to Summary					7.00	Each

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewells and Providing Pump, Motor and Electrification Works to 110 Village Areas in Ward No-01 and Ward No-03 of Yelahanka Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	28							
Item Name:	Supply and delivery at site of brand new best make non-return valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50 mm							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
For New Borewells							
	Nagenahalli at Over Head Tank	1				1.00	
	5th Cross Road, Akash Vihar Layout	1				1.00	
	2nd Main Road, ISRO Layout	1				1.00	
	Mariyamma Temple (Gudda), Srinivasapura	1				1.00	
	6th A Cross Road, Kenchenahalli, Railway Parallel Road	1				1.00	
	Srinivasapura at Park (Lake Boundary)	1				1.00	
	2nd Cross Road Jyothinagara, Near Sambram Collage	1				1.00	
	Total Quantity					7.00	Each
	Quantity Carried to Summary					7.00	Each

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka. Bangalore

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewells and Providing Pump, Motor and Electrification Works to 110 Village Areas in Ward No-01 and Ward No-03 of Yelahanka Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	29							
Item Name:	Supply and delivery at site delivery of best indigenous brand new MCB (Miniature Circuit Breakers) of required capacity as per IS 88228/1978 and its latest amendments and with ISI Mark of 6/10/16/20/25/40 Amps with scalable box.							
SL NO	**CHAINAGE**	**NO**	**L (m)**	**Avg B (m)**	**Avg D (m)**	**QTY**	**REMARKS**	
Measurement Recorded On:								
For New Borewells								
	Nagenahalli at Over Head Tank	1				1.00		
	5th Cross Road, Akash Vihar Layout	1				1.00		
	2nd Main Road, ISRO Layout	1				1.00		
	Mariyamma Temple (Gudda), Srinivasapura	1				1.00		
	6th A Cross Road, Kenchenahalli, Railway Parallel Road	1				1.00		
	Srinivasapura at Park (Lake Boundary)	1				1.00		
	2nd Cross Road Jyothinagara, Near Sambram Collage	1				1.00		
	Total Quantity					7.00	Per Pole	
	Quantity Carried to Summary					7.00	Per Pole	

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Yelahanka, Bangalore

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewells and Providing Pump, Motor and Electrification Works to 110 Village Areas in Ward No-01 and Ward No-03 of Yelahanka Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	30							
Item Name:	Earth work excavation for pipelines/cables by Manual means upto 600 mm trench width, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, including dressing of excavated surfaces, disposing off or leveling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m. Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering and lift upto 1.5 m including cost of labour, tools, usage& other appurtenances required to complete the work. In all kinds of soils. Depth upto 1.50m as per the Directions of Egineer In-Charge.							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:					Dt 04/05/24		
For Pipe Line							
KEB LAYOUT 1st CROSS		1	30.00	0.45	0.75	10.13	
		1	30.00	0.45	0.75	10.13	
		1	30.00	0.45	0.75	10.13	
		1	30.00	0.45	0.75	10.13	
		1	30.00	0.45	0.75	10.13	
		1	30.00	0.45	0.75	10.13	

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SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
	SRINIVASPURA AT PARK TO LAKE BOUNDARY	1	30.00	0.45	0.75	10.13	
		1	30.00	0.45	0.75	10.13	
		1	30.00	0.45	0.75	10.13	
		1	30.00	0.45	0.75	10.13	
		1	30.00	0.45	0.75	10.13	
		1	30.00	0.45	0.75	10.13	
	5th CROSS AKASH VIHAR LAYOUT	1	30.00	0.45	0.75	10.13	
	Total Quantity					**444.15**	**Cum**
	Quanity Limit to					**444.15**	**Cum**
	Quantity Carried to Summary					**444.15**	**Cum**

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Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewells and Providing Pump, Motor and Electrification Works to 110 Village Areas in Ward No-01 and Ward No-03 of Yelahanka Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No. 31

Item Name: Providing PVC ringtite pipes conforming to IS 985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour with all lead & lift including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per ISS (Contractor will make his own arrangements for procuring water for testing) etc. complete For: PVC pipes 50mm dia., 6 kg/sqcm & class 5 as per the Directions of Egineer In-Charge.

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
Pipe Line							
	KEB LAYOUT 1st CROSS	1	30.00			30.00	
		1	30.00			30.00	
		1	30.00			30.00	
		1	30.00			30.00	
		1	30.00			30.00	
		1	30.00			30.00	

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L NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
		1	16.00			16.00	
	KEB LAYOUT 2nd CROSS	1	30.00			30.00	
		1	30.00			30.00	
		1	30.00			30.00	
		1	30.00			30.00	
		1	30.00			30.00	
		1	30.00			30.00	
		1	30.00			30.00	
	KEB LAYOUT 3rd CROSS	1	30.00			30.00	
		1	30.00			30.00	
		1	30.00			30.00	
		1	30.00			30.00	
		1	30.00			30.00	
		1	30.00			30.00	
		1	30.00			30.00	
		1	30.00			30.00	
	KEB LAYOUT ROAD	1	30.00			30.00	

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SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
	SRINIVASPURA AT PARK TO LAKE BOUNDARY	1	30.00			30.00	
		1	30.00			30.00	
		1	30.00			30.00	
		1	30.00			30.00	
		1	30.00			30.00	
		1	30.00			30.00	
	5th CROSS AKASH VIHAR LAYOUT	1	30.00			30.00	
	Total Quantity					**1316.00**	**Mtr**
	Quanity Limit to					**1316.00**	**Mtr**
	Quantity Carried to Summary					**1316.00**	**Mtr**

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BRUHAT BANGALORE MAHANAGARA PALIKE

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Name of Work: Drilling of Borewells and Providing Pump, Motor and Electrification Works to 110 Village Areas in Ward No-01 and Ward No-03 of Yelahanka Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No. 32

Item Name: Refilling available earth around trenches/pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m, and lift upto 1.5 m. Including cost of all labour complete as per specifications as per the Directions of Egineer In-Charge.

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
For Pipe Line							
	KEB LAYOUT 1st CROSS	1	30.00	0.45	0.40	5.40	
		1	30.00	0.45	0.40	5.40	
		1	30.00	0.45	0.40	5.40	
		1	30.00	0.45	0.40	5.40	
		1	30.00	0.45	0.40	5.40	
		1	30.00	0.45	0.40	5.40	
		1	16.00	0.45	0.40	2.88	
	KEB LAYOUT 2nd CROSS	1	30.00	0.45	0.40	5.40	
		1	30.00	0.45	0.40	5.40	

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L NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
		1	30.00	0.45	0.40	5.40	
		1	30.00	0.45	0.40	5.40	
		1	30.00	0.45	0.40	5.40	
	5th CROSS AKASH VIHAR LAYOUT	1	30.00	0.45	0.40	5.40	
	Total Quantity					236.88	Cum
	Quantity Carried to Summary					236.88	Cum

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Name of Work: Drilling of Borewells and Providing Pump, Motor and Electrification Works to 110 Village Areas in Ward No-01 and Ward No-03 of Yelahanka Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No. 33

Item Name: Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density as per the Directions of Egineer In-Charge.

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
For Pipe Line							
KEB LAYOUT 1st CROSS		1	30.00	0.45	0.30	4.05	
		1	30.00	0.45	0.30	4.05	
		1	30.00	0.45	0.30	4.05	
		1	30.00	0.45	0.30	4.05	
		1	30.00	0.45	0.30	4.05	
		1	30.00	0.45	0.30	4.05	
		1	16.00	0.45	0.30	2.16	
KEB LAYOUT 2nd CROSS		1	30.00	0.45	0.30	4.05	

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L NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
		1	30.00	0.45	0.30	4.05	
		1	30.00	0.45	0.30	4.05	
		1	30.00	0.45	0.30	4.05	
		1	30.00	0.45	0.30	4.05	
	5th CROSS AKASH VIHAR LAYOUT	1	30.00	0.45	0.30	4.05	
	Total Quantity					**177.66**	**Cum**
	Quantity Carried to Summary					**177.66**	**Cum**

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BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

ame of Work: Drilling of Borewells and Providing Pump, Motor and Electrification Works to 110 Village Areas in Ward No-01 and Ward No-03 of Yelahanka Division.

Measurement Sheet

1st & Final Bill

ame of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

em No. 34

Item Name: Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 per cent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
For Pipe Line							
KEB LAYOUT 1st CROSS		1	30.00	0.45	0.04	0.54	
		1	30.00	0.45	0.04	0.54	
		1	30.00	0.45	0.04	0.54	
		1	30.00	0.45	0.04	0.54	
		1	30.00	0.45	0.04	0.54	
		1	30.00	0.45	0.04	0.54	
		1	16.00	0.45	0.04	0.29	
KEB LAYOUT 2nd CROSS		1	30.00	0.45	0.04	0.54	

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SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
		1	30.00	0.45	0.04	0.54	
		1	30.00	0.45	0.04	0.54	
		1	30.00	0.45	0.04	0.54	
		1	30.00	0.45	0.04	0.54	
	5th CROSS AKASH VIHAR LAYOUT	1	30.00	0.45	0.04	0.54	
	Total Quantity					23.69	Cum
	Quantity Carried to Summary					23.69	Cum

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04/04/2024

MEASUREMENT SHEET

me of work: Drilling of Borewells and providing pump, Motor and Electrification works to 110 village areas in ward no -01 and ward no-03 of yelahanka Division.

No	Description of work	Unit	Total Qty	Rate / Unit	Total Amount
1	**Geophysical investigation at site for sinking borewells for Providing drinking water to the habitation either through the Hand Pump MWS or P.W.S.S, by vertical electrical sounding by adopting Venner or Schlumbergers's method, including reconnaissance survey of geological formation. Geophysical investigation of existing ground water in the vicinity, its quality, quantity and acceptability of the users, indicating the location of the site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instruments and accessories to work site, engaging technical personal and labour required etc. NOTE: 1) Additional rate on item 1&2 is allowed for drilling in over burden and fixing Casing pipes beyond 20 M (for fixing Casing pipes only) a) Above 20 M and upto 30 M - 15%, b) Above 30 M - 30% (Measurement of overburden is restricted to the depth of casing pipe fixed excluding initial depth of 20M and projection above**	Each	7.00	5816.80	40717.60
	Measurement recorded vide EMB page No 1 & 2				
2	**Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete) (Above 450m of drilling add 10% for every 50m depth) as per the Directions of Egineer In-Charge.a) 0.00 to 50.00 mtrs as per the Directions of Egineer In-Charge.**	Rmtr	350.00	407.00	142450.00
	Measurement recorded vide EMB page No 3 & 4				
3	**b) 50.00 to 100.00 mtrs as per the Directions of Egineer In-Charge.**	Rmtr	350.00	510.40	178640.00
	Measurement recorded vide EMB page No 5				
4	**c) 100.00 to 150.00 mtrs as per the Directions of Egineer In-Charge.**	Rmtr	350.00	542.30	189805.00
	Measurement recorded vide EMB page No 6				
5	**d) 150.00 to 200.00 mtrs as per the Directions of Egineer In-Charge.**	Rmtr	350.00	629.20	220220.00
	Measurement recorded vide EMB page No 7				

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l No	Description of work	Unit	Total Qty	Rate / Unit	Total Amount
6	e) 200.00 to 250.00 mtrs as per the Directions of Egineer In-Charge.	Rmtr	350.00	738.10	258335.00
	Measurement recorded vide EMB page No 8				
7	f) 250.00 to 300.00 mtrs as per the Directions of Egineer In-Charge.	Rmtr	350.00	814.00	284900.00
	Measurement recorded vide EMB page No 9				
8	g)300.00 to 350.00 mtrs as per the Directions of Egineer In-Charge.	Rmtr	329.00	954.80	314129.20
	Measurement recorded vide EMB page No 10				
9	Supply of ISI mark 175mm nominal bore,plain and steel casing pipe grade of steel Fe 410 of wall thickness conforming to IS 4270-2001 and latest ammendments, electrical resistance welded steel tubes, material and conforming to IS 1387-1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5-7m both ends.threaded conforming to IS 554-1985 one end fixed with socket conforming to IS 4270-2001 and the other end with screwed pipes all shall be responsibaly free from defects. The tubes shall be responsible straight end should be with ISI marking weighing 25.10kg/m.prices include Collar-Medium duty as per the Directions of Egineer In-Charge.	Rmtr	349.00	2126.30	742078.70
	Measurement recorded vide EMB page No 11				
10	PVC Pipes of 10 kg/cm2 for 200mm	Mtr	68.50	1270.50	87029.25
	Measurement recorded vide EMB page No 12				
11	Providing and laying at site of work MS casing caps as per IS 239 (part-II) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and colars shall be strictly as per IS 1239 (Part-II) 1982 with all amendments including cost of material and labour charges for fixing, if any etc. complete with all lead and lifts and as directed by the Engineer in charge	Each	7.00	180.40	1262.80
	Measurement recorded vide EMB page No 13				
12	Providing Submersible Pump Set of 150mm dia suitable for bore well and confirming to IS 8034-2000;3Phase, SS Bowl & Impeller with Low volt Motor as per specifications, to work site as per necessary ammendments and instructions of engineer incharge of work. For 15.0 HP - 120 LPM @ 266 m = 23 STG Outlet Dia - 2.00" as per the Directions of Egineer In-Charge.	Each	7.00	76278.40	533948.80
	Measurement recorded vide EMB page No 14				

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Sl No	Description of work	Unit	Total Qty	Rate / Unit	Total Amount
13	Supply and delivery of galvanized mild steel tubes of 6mtr standard length heavy duty (C Class) as per IS 1239 (Part-I) 1990 with latest amendments with ISI Mark (one end fitted with Heavy Duty collar and other end fitted with protective cover) 50mm	Each	347.00	3355.00	1164185.00
	Measurement recorded vide EMB page No 15				
14	Supply and delivery at site wrought middle steel (galvanized) GI union confirming to IS 1239-II, 1991 with latest amendments if any. For 50 mm dia GI Union as per the Directions of Egineer In-Charge.	Each	7.00	293.70	2055.90
	Measurement recorded vide EMB page No 16				
15	Providing wrought mild steel (galvanized) GI collar confirming to IS 1239-II, 1991 with latest amendments if any. For 50 mm dia GI collar:	Each	347.00	293.70	101913.90
	Measurement recorded vide EMB page No 17				
16	Supply and delivery at site wrought middle steel (galvanized) GI hexagonal nipple confirming to IS 1239-II, 1991 with latest amendments if any. For 50 mm dia GI hexagonal nipple	Each	21.00	234.30	4920.30
	Measurement recorded vide EMB page No 18				
17	Supply and delivery at site wrought middle steel (galvanized) GI elbow confirming to IS 1239-II, 1991 with latest amendments if any for: For 50 mm dia GI elbow	Each	21.00	293.70	6167.70
	Measurement recorded vide EMB page No 19				
18	Supplying and Drawing 3 Core Flat PVC Shelted Submerisible Pump Cable Manufactured With Electrolytic grade copper with flexible copper conductor confirming to table 3 class 5of IS 8130-1984 and Virgin PVC insulation and Sheeated Suitable for working Voltage Upto 1100 Volts as per IS-694:1990. 3C x 6.0Sqm as per the Directions of Egineer In-Charge.	Mtr	4200.00	245.00	1029000.00
	Measurement recorded vide EMB page No 20				
19	Labour charges for Erection, Electrification and commissioning of Pump sets, including aligning and balancing of all items including supply and erection of two pair of supporting clamps, bore well caps, cable clips and water tight gland cable protectors, bolts, nuts, valve and gauges,tools and equipments etc., involved in the job as per specifications, with necessary tests as per specifications, with testing of as per instructions of engineer incharge of work as per the Directions of Egineer In-Charge.	Job	7.00	7150.00	50050.00
	Measurement recorded vide EMB page No 21				

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l No	Description of work	Unit	Total Qty	Rate / Unit	Total Amount
20	Labour charges for erection of outdoor type panel board and meter board units with all necessary materials and labour, tools and equipments including providing cement concrete foundation bed etc., complete as per specification, with testing of as per instructions of engineer incharge of work as per the Directions of Egineer In-Charge.	Job	7.00	1595.00	11165.00
	Measurement recorded vide EMB page No 22				
21	1.1 kV, XLPE or Heat resistant PVC insulated, PVC exutruted Inner Seath Armoured LTUG Cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness and resistivity as per IS-3975 16 Sqmm, 4 Core, (11 GI Strips - 4 x 0.8 mm)	Km	0.32	141842.00	44680.23
	Measurement recorded vide EMB page No 23				
22	LABOUR for Aerial Bunched Conductor & Accessories Stringing of 1.1 kV grade Aerial Bunched 3 Core cable of XLPE insulation of size (3x95) (Phase Conductor) + (1x70) (Insulated Messenger Neutral) + (1x16) (Street Light Control)	Km	0.32	33109.00	10429.34
	Measurement recorded vide EMB page No 24				
23	Earthing: Suppluing and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts,nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia as per the Directions of Egineer In-Charge.	Job	7.00	4125.00	28875.00
	Measurement recorded vide EMB page No 25				
24	Providing and fixing suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps,bolts,nuts and washers etc. with necessary materials and labour tools and equipments as per instructions of engineer incharge of work. 3½x6 Sqm	Each	7.00	412.50	2887.50
	Measurement recorded vide EMB page No 26				
25	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws. F) 20" x 20" x 2.5" as per the Directions of Egineer In-Charge.	Nos	7.00	326.13	2282.91
	Measurement recorded vide EMB page No 27				

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Sl No	Description of work	Unit	Total Qty	Rate / Unit	Total Amount
26	Supplying Fully Automatic Star- Delta Starter Unit Push Button Type With Suitable Wires 3 Contractors, One Adjustable Thermal Timer Mounted on a Common Base Plate held in Steel Enclosure For Use on 400/440 Volts 3 Phase and Wired after Fixing to the Exisiting Wooden Board For Motor, Above 12.5 HP upto 25 HP as per the Directions of Egineer In-Charge.	Nos	7.00	8764.00	61348.00
	Measurement recorded vide EMB page No 28				
27	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50 mm	Each	7.00	1375.00	9625.00
	Measurement recorded vide EMB page No 29				
28	Supply and delivery at site of brand new best make non-return valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50 mm	Each	7.00	1375.00	9625.00
	Measurement recorded vide EMB page No 30				
29	Supply and delivery at site delivery of best indigenous brand new MCB (Miniature Circuit Breakers) of required capacity as per IS 88228/1978 and its latest amendments and with ISI Mark of 6/10/16/20/25/40 Amps with scalable box.	Per Pole	7.00	1265.00	8855.00
	Measurement recorded vide EMB page No 31				
30	Earth work excavation for pipelines/cables by Manual means upto 600 mm trench width, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, including dressing of excavated surfaces, disposing off or leveling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m. Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering and lift upto 1.5 m including cost of labour, tools, usage& other appurtenances required to complete the work. In all kinds of soils. Depth upto 1.50m as per the Directions of Egineer In-Charge.	Cum	444.15	532.40	236465.46
	Measurement recorded vide EMB page No 32 to 35				

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka. Bangalore

Sl No	Description of work	Unit	Total Qty	Rate / Unit	Total Amount
31	**Providing PVC ringtite pipes conforming to IS 985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour with all lead & lift including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per ISS (Contractor will make his own arrangements for procuring water for testing) etc. complete For: PVC pipes 50mm dia., 6 kg/sqcm & class 5 as per the Directions of Egineer In-Charge.**	Mtr	1316.00	13.90	18292.40
	Measurement recorded vide EMB page No 36 to 39				
32	**Refilling available earth around trenches/pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m, and lift upto 1.5 m. Including cost of all labour complete as per specifications as per the Directions of Egineer In-Charge.**	Cum	236.88	176.00	41690.88
	Measurement recorded vide EMB page No 40 to 43				
33	**Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density as per the Directions of Egineer In-Charge.**	Cum	177.66	2814.90	500095.13
	Measurement recorded vide EMB page No 44 to 47				

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No	Description of work	Unit	Total Qty	Rate / Unit	Total Amount
34	**Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 per cent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects**	Cum	23.69	12049.40	285450.29
	Measurement recorded vide EMB page No 48 to 51				
	Sub Total Amount				6623552.00
	Add 18.0% towards GST Charges				1192239.00
	Total Amount				7815791.00
	Bescom charges				150710.00
	Grand Total Amount				7966501.00

Assisstant Engineer

Assisstant Executive Engineer
Yelahanka Sub division
BBMP, Bangalore - 64
4/07/24